

BRONHIVET-1

Liophylisate for vaccine solution
for animal use

**Vaccine containing live viruses of infectious bronchitis of poultry
- vaccinal strain H-120**

TARGETED ANIMAL SPECIES

Chickens up to one month of age

INDICATIONS

Vaccine induces active immunity against infectious bronchitis of poultry.

Immunity develops within 7 to 8 days.

DOSAGE**In drinking water:**

Dissolve 1000 doses in 20 L drinking water.

As aerosol:

Chickens aged 1 to 15 days (spray method):

Dissolve 1000 vaccine doses in 250 ml drinking water;

Chickens aged 15 to 30 days (aerosol):

Dissolve 1000 vaccine doses in 500 ml drinking water.

METHOD OF APPLICATION

Addition in drinking water

By aerosol

INSTRUCTIONS FOR CORRECT USE OF THE MEDICINE

Dissolve the vaccine before application, following the enclosed instructions, depending on the desired method of application.

CONTRAINDICATIONS

Vaccination of sick and cachectic chickens is contraindicated, as well as chickens invaded with parasites and before transportation.

ADVERSE EFFECTS

None known.

WITHHOLDING PERIOD

No restrictions.

SPECIAL WARNING FOR DRUG STORAGE

Store at 2 - 8°C, in the original pack protected from light, out of reach of children; do not freeze.

SPECIAL WARNINGS**For animal use:**

Optimal conditions for vaccination using spray method and aerosol are the following: temperature ranging between 20 and 22 °C and air humidity ranging between 65 and 70%.

For individuals administering the drug to animals:

Upon application of the vaccine in the form of aerosol, the individual applying the vaccine should wear eye, nose and mouth protection.

SPECIAL MEASURES TO BE APPLIED UPON DISPOSAL OF THE UNUSED DRUG OR DRUG RESIDUES

The drug is to be disposed in accordance with the effective regulations of the Republic of Serbia.

SHELF LIFE

1 year.

SHELF LIFE AFTER OPENING

2 hours.

PRESENTATION

A box with 10 bottles with 1 000 vaccine doses each.

AVAILABILITY

Prescription only.

ATCQ101AD07

Authorization No. .: 323-03-04632/2004-05

BRONHIVET- II

Liophylisate for vaccine solution for animal use

**Vaccine containing live virus of infectious bronchitis of poultry -
vaccinal strain H- 52**

TARGETED ANIMAL SPECIES

Poultry aged minimum 12-16 weeks.

INDICATIONS

The vaccine induces active immunity against infectious bronchitis of poultry.

Immunity develops within 7 to 10 days.

DOSAGE**In drinking water:**

Dissolve 1000 doses in u 20 L drinking water.

As aerosol spray:

Dissolve 1000 vaccine doses in 1000 ml drinking water.

METHOD OF APPLICATION

addition in drinking water

by aerosol

INSTRUCTIONS FOR CORRECT DRUG APPLICATION

Dissolve the vaccine before application, following the enclosed instructions, depending on the desired method of application.

CONTRAINDICATIONS

Vaccination of sick and cachectic chickens is contraindicated as well as chickens invaded with parasites and chickens immediately before transportation.

ADVERSE EFFECTS

None known.

WITHHOLDING PERIOD

No restrictions.

SPECIAL WARNINGS FOR DRUG STORAGE

Store at 2 - 8°C in the original pack for protection from light, out of reach of children; do not freeze.

SPECIAL WARNINGS**For animal use:**

Optimal conditions for aerosol vaccination are the following:
temperature ranging between 20 and 22°C and air humidity ranging between 65 and 70%.

For individuals administering the drug to animals:

Upon application of the vaccine in the form of aerosol, the individual applying the vaccine should wear eye, nose and mouth protection.

**SPECIAL MEASURES FOR DISPOSAL OF UNUSED DRUG
OR DRUG RESIDUES**

The drug is to be disposed in accordance with the effective regulations of the Republic of Serbia.

SHELF LIFE:

1 year.

SHELF LIFE AFTER OPENING:

2 hours.

PRESENTATION:

A box with 10 bottles with 1000 vaccine doses.

AVAILABILITY:

Prescription only.

ATCQI01AD07

Authorization No. .: 323-03-04633/2004-05

DIBOVET

Liophylisate and vaccine solvent
for animal use

Vaccine containing live viruses of fowl diphtheria and fowl pox - vaccinal strain FP 92

TARGETED ANIMAL SPECIES

Chicken aged 8 weeks.

INDICATIONS

Vaccine induces active immunity against fowl diphtheria and fowl pox. The immunity develops 10 to 12 days after vaccination to be fully developed after 28 days.

DOSAGE

The recommended dose is 0.01 ml for all categories of poultry.

METHOD OF APPLICATION

Injection into the wing web.

INSTRUCTIONS FOR CORRECT USE OF MEDICINE

Dissolve the vaccine in the original solvent. Immerse double needle into the dissolved vaccine enabling for needle grooves to be directed upwards. Pierce the wing web (both layers) with the needle avoiding blood vessels and feathers.

CONTRAINDICATIONS

Vaccination of sick and cachectic chickens is contraindicated, as well as chickens invaded with parasites and chickens before transportation.

ADVERSE EFFECTS

None known.

WITHHOLDING PERIOD

No restrictions.

SPECIAL WARNING FOR DRUG STORAGE

Store at 2 - 8°C, in the original pack for protection from light, out of reach of children; do not freeze.

SPECIAL WARNINGS

For animal use:

Several days after vaccinations small wart-shaped nodules are formed at the application site.

The phenomenon is characteristic for local reaction in fowl (the sign that poultry was not previously immune or affected with fowl diphtheria or fowl pox).

The nodules will resolve spontaneously without treatment. If the nodules fail to develop, it will be the sign that the fowls are immune or the sign of incorrect vaccination procedures.

In such cases the vaccination should be repeated. If the nodules fail to appear at the site of application after second vaccination the fowl is considered to be immune

Special warnings for individuals administering the drug to animals:

In case of accidental self-injection of the individual applying the vaccine with the needle, he/she should seek medical attention.

SPECIAL MEASURES FOR DISPOSAL OF UNUSED DRUG OR DRUG RESIDUES

The drug is to be disposed in accordance with the effective regulations of the Republic of Serbia.

SHELF LIFE

1 year.

SHELF LIFE AFTER OPENING

2 hours.

PRESENTATION

A bottle with 1000 vaccine doses with solvent

A box with 10 bottles with 100 vaccine doses with solvent

AVAILABILITY

Prescription only.

ATCQI01AD12 Authorization No. .: 2841/2

GALIVET- LA SOTA

Liophylisate and vaccine solvent for animal use

Vaccine containing live virus of the Newcastle disease (vaccinal strain La Sota)

TARGETED ANIMAL SPECIES

Poultry

INDICATIONS

Vaccine induces active immunity against the Newcastle disease (atypical fowl pest) in poultry. Immunity develops within 7 days and lasts 3 to 6 months.

DOSAGE

In drinking water:

- **Chicken aged up to 3 weeks:**

Dissolve 1000 doses in 10 L drinking water;

Dissolve 50 doses in 500 ml drinking water;

Dissolve 25 doses in 250 ml drinking water.

- **Chicken aged above 3 weeks:**

Dissolve 1000 doses in 20 L drinking water;

Dissolve 50 doses in 1 L drinking water;

Dissolve 25 doses in 500 ml drinking water.

By aerosol (spray, aerosol):

Dissolve 1000 vaccine doses in 250 to 1000 ml water, depending on age, category and method of keeping of poultry.

Oculonasal:

Dissolve the vaccine in the original solvent.

Single vaccine dose = 0.06 ml (one drop in the eye and one drop in the nostril).

METHOD OF APPLICATION

Oculonasal application

As aerosol

Addition in drinking water

INSTRUCTIONS FOR CORRECT USE OF MEDICINE

Dissolve the vaccine as instructed.

CONTRAINDICATIONS

Vaccination of sick and cachectic chickens is contraindicated, as well as chickens invaded with parasites and chickens before transportation.

ADVERSE EFFECTS

Occasionally vaccine application using aerosol may cause mild, transitory respiratory difficulties.

WITHHOLDING PERIOD

No restrictions.

SPECIAL WARNING FOR DRUG STORAGE

Store at 2 - 8°C, in the original pack for protection from light, out of reach of children; do not freeze.

SPECIAL WARNINGS

For animal use:

In case of aerosol application of the vaccine in broilers, specialist service should be consulted

Inadequate application of aerosol vaccine may lead to increased mortality rate among poultry.

Optimal conditions for vaccination are the following: 20 to 22°C i air humidity ranging between 65 and 70%.

Special warnings for individuals administering the drug to animals:

Wear eye and airway protection in case of vaccine administration using atomizer or aerosol.

SPECIAL MEASURES FOR DISPOSAL OF UNUSED DRUG OR DRUG RESIDUES

The drug is to be disposed in accordance with the effective regulations of the Republic of Serbia.

SHELF LIFE:

1 year.

SHELF LIFE AFTER OPENING:

2 hours.

PRESENTATION:

Ampoule with 25 vaccine doses with solvent

Ampoule with 50 vaccine doses with solvent

A box with 10 bottles with 1000 vaccine doses

AVAILABILITY:

Prescription only.

ATCQI01AA02 Authorization No. .: 2838/2

POLIVIROL 3

Injectable emulsion
for animal use

The vaccine containing inactivated virus of Newcastle disease (strain La Sota), inactivated virus of infectious bronchitis of poultry (strain H 52) and inactivated virus of egg drop syndrome (strain EDS-127)

TARGETED ANIMAL SPECIES

Poultry aged above 16 weeks

INDICATIONS

Active immunization of poultry against Newcastle disease (atypical fowl pest), infectious bronchitis of poultry and egg drop syndrome.

DOSAGE

The recommended dose is 0.5 ml.

METHOD OF APPLICATION

Intramuscular administration.

INSTRUCTIONS FOR CORRECT USE OF MEDICINE

Before use bring the vaccine to room temperature. Inject using sterile syringe and needle into the chest muscles.

CONTRAINDICATIONS

Vaccination of sick, cachectic and parasite-invaded poultry is contraindicated as well as vaccination of poultry immediate before transportation .

ADVERSE EFFECTS

None known.

WITHHOLDING PERIOD

No restrictions.

SPECIAL WARNINGS FOR DRUG STORAGE

Store at 2 - 8°C in the original pack for protection from light, keep out of reach of children; do not freeze

SPECIAL WARNINGS

For animal use:

None.

Special warnings for individuals administering the drug to animals:

In case of accidental self-injection of the individual administered the vaccine, seek medical attention.

SPECIAL MEASURES FOR DISPOSAL OF UNUSED DRUG OR DRUG RESIDUES

The drug is to be disposed in accordance with the effective regulations of the Republic of Serbia.

SHELF LIFE:

1 year.

SHELF LIFE AFTER OPENING:

8 sati.

PRESENTATION:

A bottle with 250 ml (500 doses)

AVAILABILITY:

Prescription only.

ATCQ101AA13

Authorization No. :106/2007/1400

POLIVIROL-4

Injectable emulsion

for animal use

The vaccine containing inactivated virus of Newcastle disease (strain La Sota), inactivated virus of infectious bronchitis of poultry (strain H-52), inactivated virus of egg drop syndrome (strain EDS-127) and inactivated virus of Gumboro disease

TARGETED ANIMAL SPECIES

Fowls above 16 weeks of age.

INDICATIONS

Active immunization of poultry against Newcastle disease (atypical fowl pest), infectious bronchitis of poultry, egg drop syndrome and Gumboro disease

DOSAGE

The recommended dose is 1 ml.

METHOD OF APPLICATION

Intramuscular administration.

INSTRUCTIONS FOR CORRECT USE OF MEDICINE

Bring the vaccine to room temperature before use. Inject using sterile syringe and needle into the chest muscles.

CONTRAINDICATIONS

Vaccination of sick, cachectic and parasite-invaded poultry is contraindicated as well as vaccination of poultry immediate before transportation.

ADVERSE EFFECTS

None known.

WITHHOLDING PERIOD

No restrictions.

SPECIAL WARNING FOR DRUG STORAGE

Store at 2 - 8° C in the original pack for protection from light, keep out of reach of children; do not freeze

SPECIAL WARNINGS**For animal use:**

None.

Special warnings for individuals administering the drug to animals:

In case of accidental self-injection of the individual administering the vaccine, seek medical attention.

SPECIAL MEASURES FOR DISPOSAL OF UNUSED DRUG OR DRUG RESIDUES

The drug is to be disposed in accordance with the effective regulations of the Republic of Serbia.

SHELF LIFE:

1 year.

SHELF LIFE AFTER OPENING:

8 hours.

PRESENTATION:

A bottle with 250 ml (250 doses).

AVAILABILITY:

Prescription only.

ATCQI01AA19

Authorization No. .: 108/2007/1400

ERYBACTERIN

Injectable suspension
for animal use

**The vaccine containing inactivated culture of swine erysipelas
causative agent - Erysipelothrix rhusiopathiae**

TARGETED ANIMAL SPECIES

Pigs aged minimum 3 months.

INDICATIONS

Vaccine induces active immunity against swine erysipelas. The immunity develops completely within 3 weeks and lasts 3 months. Revaccination is recommended after 3-6 weeks, which prolongs the immunity to last 8 months.

DOSAGE

2 ml for all pig categories. .

METHOD OF APPLICATION

Subcutaneous administration.

INSTRUCTIONS FOR CORRECT USE OF MEDICINE

Vaccine is ready-to-use. It is applied using sterile syringe and needle, subcutaneously.

Shake the vaccine before use.

CONTRAINDICATIONS

Vaccination of sick, cachectic and parasite-invaded pigs is contraindicated as well as vaccination of heads immediate before transportation.

ADVERSE EFFECTS

None known.

WITHHOLDING PERIOD

No restrictions.

SPECIAL WARNING FOR DRUG STORAGE

Store at 2 - 8°C, in the original pack for protection from light, out of reach of children; do not freeze.

SPECIAL WARNINGS

For animal use:

None.

Special warnings for individuals administering the drug to animals:

In case of accidental self-injection of the individual administering the vaccine, seek medical attention.

SPECIAL MEASURES FOR DISPOSAL OF UNUSED DRUG OR DRUG RESIDUES

The drug is to be disposed in accordance with the effective regulations of the Republic of Serbia.

SHELF LIFE:

1 year.

SHELF LIFE AFTER OPENING:

8 hours.

PRESENTATION:

A bottle with 100 ml vaccine.

AVAILABILITY:

Prescription only.

ATC: QI09AB03 Authorization No. .: 2840/2

ERYBACTOL

injectable emulsion
for animal use

The vaccine containing inactivated culture of swine erysipelas causative organism - Erysipelothrix rhusiopathiae.

TARGETED ANIMAL SPECIES

Pigs aged minimum 3 months.

INDICATIONS

Vaccine induces active immunity against swine erysipelas. The immunity develops completely within 3 weeks and lasts for 3 months.

Revaccination is recommended after 3-6 weeks. The revaccination prolongs the immunity to last 8 months.

DOSAGE

2 ml for all pig categories.

METHOD OF APPLICATION

Subcutaneous or intramuscular administration.

INSTRUCTIONS FOR CORRECT USE OF MEDICINE

Vaccine is ready-to-use.

Apply using sterile needle and syringe.

CONTRAINDICATIONS

Vaccination of sick, cachectic and parasite-invaded pigs is contraindicated as well as vaccination of heads immediate before transportation.

ADVERSE EFFECTS

None known.

WITHHOLDING PERIOD

No restrictions.

SPECIAL WARNING FOR DRUG STORAGE

Store at 2 - 8°C, in the original pack for protection from light, keep out of reach of children; do not freeze.

SPECIAL WARNINGS**For animal use:**

None.

Special warnings for individuals administering the drug to animals:

In case of accidental self-injection of the individual administering the vaccine, seek medical attention.

SPECIAL MEASURES FOR DISPOSAL OF UNUSED DRUG OR DRUG RESIDUES

The drug is to be disposed in accordance with the effective regulations of the Republic of Serbia.

SHELF LIFE:

1 year.

SHELF LIFE AFTER OPENING:

8 hours .

PRESENTATION:

A bottle with 100 ml vaccine.

AVAILABILITY:

Prescription only.

ATC: QI09AB03

Authorization No. : 2843/2

HYOVET

Liophylisate and solvent for injectable suspension
for animal use

Vaccine containing live virus of Aujeszky's disease , vaccinal - strain

Ercegovac

TARGETED ANIMAL SPECIES

Pigs above 6 weeks of age

INDICATIONS

Vaccine induces active immunity against Aujeszky's disease.

The immunity develops within 14 days after vaccination and lasts minimum a year.

The sows are immunized not later than two weeks before mating. The piglets to immune mothers are immunized at the age of minimum 6 weeks. The piglets to non-immunized sows may be immunized at the age of 14 days with re-vaccination at the age of 3 - 4 months.

DOSAGE

The recommended dose is 1 ml for all pig categories.

METHOD OF APPLICATION

Intramuscular or subcutaneous administration.

INSTRUCTIONS FOR CORRECT USE OF MEDICINE

Dissolve the vaccine only in the original solvent. Shake the bottle until complete liophylisate dissolution.

Inject using sterile syringe and needle.

CONTRAINDICATIONS

Vaccination of sick, cachectic and parasite-invaded pigs is contraindicated as well as vaccination of heads immediate before transportation..

ADVERSE EFFECTS

None known.

WITHHOLDING PERIOD

No restrictions.

SPECIAL WARNING FOR DRUG STORAGE

Store at 2 - 8°C, in the original pack for protection from light, keep out of reach of children; do not freeze.

SPECIAL WARNINGS

For animal use:

The vaccine is intended solely for immunization of pigs. Sows are vaccinated not later than two weeks before mating. Piglets to immunized sows are vaccinated not earlier than at the age of 6 weeks. Piglets to non-immunized sows may be vaccinated at the age of 14 days to be revaccinated at the age of 3 - 4 months.

Special warnings for individuals administering the drug to animals:

In case of accidental self-injection of the individual administered the vaccine, seek medical attention.

SPECIAL MEASURES FOR DISPOSAL OF UNUSED DRUG OR DRUG RESIDUES

The drug is to be disposed in accordance with the effective regulations of the Republic of Serbia.

SHELF LIFE:

1 year.

SHELF LIFE AFTER OPENING:

hours.

PRESENTATION:

A box with 5 bottles with 20 vaccine doses with solvent.

AVAILABILITY:

Prescription only.

ATC: QI09AD01

Authorization No. .: 323-03-04710/2003-05

LAVIR-K

Lyophilisate and solvent for injectable suspension
for animal use

**Vaccine containing live virus of classical swine fever (vaccinal strain
China)**

TARGETED ANIMAL SPECIES

Pigs above 3 months of age.

INDICATIONS

Active immunization of pigs against classical swine fever . The immunity develops within 14 days of vaccine application and it lasts minimum for a year.

DOSAGE

The recommended dose is 1 ml.

METHOD OF APPLICATION

Intramuscular administration.

INSTRUCTIONS FOR CORRECT USE OF MEDICINE

Dissolve the vaccine exclusively in the original solvent. Shake the bottle until complete dissolution of lyophilizate.

Apply intramuscularly using sterile syringe and needle – into the neck muscles.

CONTRAINDICATIONS

Vaccination of sick, cachectic and parasite-invaded pigs is contraindicated as well as vaccination of heads immediate before transportation.

ADVERSE EFFECTS

None known.

WITHHOLDING PERIOD

No restrictions.

SPECIAL WARNINGS FOR DRUG STORAGE

Store at 2 - 8°C in the original pack for protection from light keep out of reach of children; do not freeze.

SPECIAL WARNINGS**For animal use:**

The vaccine is intended exclusively for vaccination of pigs. Vaccination of pregnant animals is not recommended

Earlier vaccination of pigs is possible, before the month three of age with mandatory revaccination within the following three months.

Special warnings for individuals administering the drug to animals:

In case of accidental self-injection of the individual administering the vaccine, seek medical attention.

**SPECIAL MEASURES FOR DISPOSAL OF UNUSED DRUG
OR DRUG RESIDUES**

The drug is to be disposed in accordance with the effective regulations of the Republic of Serbia.

SHELF LIFE:

1 year.

SHELF LIFE AFTER OPENING:

2 hours.

PRESENTATION:

A box with 10 bottles with 50 vaccine doses and solvents.

A box with 5 bottles with 10 vaccine doses with solvent.

A box with 5 bottles with 20 vaccine doses with solvent.

AVAILABILITY:

Prescription only.

ATC: QI09AD04

Authorization No. : 3233-03-04712/2003-05

LIOLAVIR- A

Liophilisate and solvent for injectable suspension
for animal use

Vaccine containing live virus of Aujeszky's disease (vaccinal strain Ercegovac) and live virus of classical swine fever (strain China)

TARGETED ANIMAL SPECIES

Pigs above 3 months of age.

INDICATIONS

Active immunization of pigs against classical swine fever and Aujeszky's disease.

The immunity develops within 14 days after vaccine application.

Immunization of pigs above 3 months of age.

Earlier vaccination of pigs is possible (at week 6), with mandatory revaccination after 3 months.

The sows should be vaccinated 2 weeks before mating.

DOSAGE

The recommended dose is 1 ml for all categories of pigs.

METHOD OF APPLICATION

Intramuscular administration.

INSTRUCTIONS FOR CORRECT USE OF MEDICINE

Dissolve the vaccine exclusively in the original solvent. Shake the bottle until complete dissolution of lyophilizate.

Apply intramuscularly using sterile syringe and needle.

CONTRAINDICATIONS

Vaccination of sick, cachectic and parasite-invaded pigs is contraindicated as well as vaccination of heads immediate before transportation.

ADVERSE EFFECTS

None known.

WITHHOLDING PERIOD

No restrictions.

SPECIAL WARNING FOR DRUG STORAGE

Store at 2 - 8°C in the original pack for protection from light, keep out of reach of children; do not freeze.

SPECIAL WARNINGS**For animal use:**

Vaccine is intended solely for immunization of pigs.

Special warnings for individuals administering the drug to animals:

In case of accidental self-injection of the individual administering the vaccine, seek medical attention.

**SPECIAL MEASURES FOR DISPOSAL OF UNUSED DRUG
OR DRUG RESIDUES**

The drug is to be disposed in accordance with the effective regulations of the Republic of Serbia.

SHELF LIFE:

1 year.

SHELF LIFE AFTER OPENING:

2 hours.

PRESENTATION:

A box with 10 bottles with 50 vaccine doses with solvent.

AVAILABILITY:

Prescription only

ATC: QI09AU**

Authorization No. : 107/2007/1400

ANTRAVET

Injectable suspension
for animal use

**The vaccine containing live spores of Bacillus anthracis bacteria culture
-vaccinal strain 34F2**

TARGETED ANIMAL SPECIES

Cattle, horses, sheep, pigs and goats

INDICATIONS

Vaccine induces active immunity against anthrax. The immunity develops within 10-14 days, or within 4-6 weeks in horses. The immunity lasts for a year.

The vaccination is recommended in one-year intervals, or in six-month interval in anthrax-affected regions.

DOSAGE

The recommended dose of cattle, horses, sheep and swine is 0.5 ml.

The recommended dose for goats is 0.2 ml.

METHOD OF APPLICATION

Subcutaneous administration.

INSTRUCTIONS FOR CORRECT USE OF MEDICINE

Vaccine is ready-to-use.

Shake the vaccine bottle thoroughly before use.

CONTRAINDICATIONS

Vaccination of sick, cachectic and parasite-invaded animals is contraindicated as well as vaccination of heads immediate before transportation.

Vaccination of animals in advanced phases of pregnancy is contraindicated (cows after the month 8 of pregnancy, mares after the month 10 of pregnancy, sheep and sows after the month 3 of pregnancy) as well as young heads: calves and foals below 6 months of age, lambs, pigs and young goats below 3 months of age.

ADVERSE EFFECTS

Edema may develop at the application site which must not be massaged and it will spontaneously resolved without treatment within 2-7 days.

WITHHOLDING PERIOD

No restrictions.

SPECIAL WARNING FOR DRUG STORAGE

Store at 2 - 8°C, in the original pack, for protection from light, keep out of reach of children; do not freeze.

SPECIAL WARNINGS

For animal use:

See indications.

Special warnings for individuals administering the drug to animals:

In case of accidental self-injection of the individual administered the vaccine, seek medical attention.

SPECIAL MEASURES FOR DISPOSAL OF UNUSED DRUG OR DRUG RESIDUES

The drug is to be disposed in accordance with the effective regulations of the Republic of Serbia.

SHELF LIFE:

1 year.

SHELF LIFE AFTER OPENING:

8 hours.

PRESENTATION:

A box with 10 bottles with 10 ml vaccine.

AVAILABILITY:

Prescription only.

ATC: QI02AE04

Authorization No. : 323-03-01496

KLOSTRIVET

injectable suspension for animal use

The vaccine containing inactivated bacteria culture Clostridium chauvoei and Clostridium septicum

TARGETED ANIMAL SPECIES

Cattle and sheep

INDICATIONS

Vaccine induces active immunity against gas edema disease and malignant edema. The cattle are vaccinated at the age of minimum 6 months while sheep are vaccinated at the age of minimum 3 months. Vaccination is carried out once a year, except in the affected regions when vaccination in 6-month intervals is necessary.

DOSAGE

Cattle 5 ml

Calves 3 ml

Sheep 2 ml

METHOD OF APPLICATION

Subcutaneous administration.

INSTRUCTIONS FOR CORRECT USE OF MEDICINE

Vaccine is ready-to-use. It is applied using sterile syringe and needle, subcutaneously.

Shake the vaccine before use.

CONTRAINDICATIONS

Vaccination of sick, cachectic and parasite-invaded animals is contraindicated as well as vaccination of heads immediate before transportation.

ADVERSE EFFECTS

None known.

WITHHOLDING PERIOD

No restrictions.

SPECIAL WARNING FOR DRUG STORAGE

Store at 2 - 8°C in the original pack for protection from light, keep out of reach of children; do not freeze.

SPECIAL WARNINGS**For animal use:**

None.

Special warnings for individuals administering the drug to animals:

In case of accidental self-injection of the individual administered the vaccine, seek medical attention.

**SPECIAL MEASURES FOR DISPOSAL OF UNUSED DRUG
OR DRUG RESIDUES**

The drug is to be disposed in accordance with the effective regulations of the Republic of Serbia.

SHELF LIFE:

1 year.

SHELF LIFE AFTER OPENING:

8 hours.

PRESENTATION:

A bottle with 100 ml vaccine.

AVAILABILITY:

Prescription only.

ATC: QI02AB01

Authorization No. .: 323-03-01497

KVENTODIZ

Injectable suspension for animal use

The vaccine containing inactivated bacteria culture of Clostridium perfringens – types B, C and D, anatoxin beta and anatoxin epsilon originating from Clostridium perfringens

TARGETED ANIMAL SPECIES

Cattle i sheep

INDICATIONS

Vaccine induces active immunity against enterotoxemia.

Vaccinate sheep twice in within minimum two weeks and revaccinate them each year. Vaccinate lambs to vaccinated sheep in the week 8 of their life, and revaccinate after two weeks. Vaccinate cattle twice in within two to three weeks. Vaccinate calves three times – at week 3, 6 and 9 of their life.

DOSAGE

Cattle and calves 5 ml

Sheep and lambs 2 ml

METHOD OF APPLICATION

Subcutaneous administration.

INSTRUCTIONS FOR CORRECT USE OF MEDICINE

Vaccine is ready-to-use. It is applied using sterile syringe and needle, subcutaneously.

Shake the vaccine before use.

CONTRAINDICATIONS

Vaccination of sick, cachectic and parasite-invaded animals is contraindicated as well as vaccination of heads immediate before transportation.

ADVERSE EFFECTS

Infrequently, edema may develop at the application site, that will subside spontaneously without treatment.

WITHHOLDING PERIOD

No restrictions.

SPECIAL WARNING FOR DRUG STORAGE

Store at 2 - 8°C in the original pack for protection from light, keep out of reach of children; do not freeze.

SPECIAL WARNINGS

For animal use:

None.

Special warnings for individuals administering the drug to animals:

In case of accidental self-injection of the individual administering the vaccine, seek medical attention.

SPECIAL MEASURES FOR DISPOSAL OF UNUSED DRUG OR DRUG RESIDUES

The drug is to be disposed in accordance with the effective regulations of the Republic of Serbia.

SHELF LIFE:

1 year.

SHELF LIFE AFTER OPENING:

8 hours.

PRESENTATION:

A bottle with 100 ml vaccine.

AVAILABILITY:

Prescription only.

ATC: QI04AB01

Authorization No. : 323-03-01500

TRIVET

Injectable suspension
for animal use

The vaccine containing inactivated bacteria culture *Clostridium chauvoei* and *Clostridium septicum* and live culture of *Bacillus anthracis* - vaccinal strain 34F2.

TARGETED ANIMAL SPECIES

Cattle i sheep

INDICATIONS

Vaccine induces active immunity against gas edema, malignant edema and anthrax. Imunity against anthrax develops within 10-14 days and within 14-21 against gas edema and malignant edema. The immunity lasts for a year. The vaccination is performed once a year, except for the regions where the vaccination should be repeated after 4 weeks using the same dose.

DOSAGE

Cattle aged above 12 months	5 ml
Calves aged 6 to 12 months	2,5 ml
Sheep and lambs	2,5 ml

METHOD OF APPLICATION

Subcutaneous administration.

INSTRUCTIONS FOR CORRECT USE OF MEDICINE

Vaccine is ready-to-use. It is applied using sterile syringe and needle, subcutaneously.
Shake the vaccine before use.

CONTRAINDICATIONS

Vaccination of sick, cachectic and parasite-invaded heads is contraindicated as well as vaccination of heads immediate before transportation.

Vaccination of head in the last month of pregnancy, calves below 6 months of age and lambs below 3 months of age is contraindicated.

ADVERSE EFFECTS

Edema may develop at the application, which will subside spontaneously within maximum 7 days without treatment.

WITHHOLDING PERIOD

No restrictions.

SPECIAL WARNING FOR DRUG STORAGE

Store at 2 - 8°C, in the original pack for protection from light, keep out of reach of children; do not freeze.

SPECIAL WARNINGS**For animal use:**

None.

Special warnings for individuals administering the drug to animals:

In case of accidental self-injection of the individual administering the vaccine, seek medical attention.

SPECIAL MEASURES FOR DISPOSAL OF UNUSED DRUG OR DRUG RESIDUES

The drug is to be disposed in accordance with the effective regulations of the Republic of Serbia.

SHELF LIFE:

1 year.

SHELF LIFE AFTER OPENING:

8 hours.

PRESENTATION:

A bottle with 100 ml vaccine.

AVAILABILITY:

Prescription only.

ATC: QI09AU01

Authorization No. : 323-03-01505

MYXOVET

Lyophilizate and solvent for injectable suspension
for animal use

Vaccine containing live virus of rabbit myxomatosis (vaccinal strain ČK-82)

TARGETED ANIMAL SPECIES

Rabbits aged minimum 6 weeks.

INDICATIONS

Active immunization of rabbits against myxomatosis. Immunity develops within 10 days and lasts 6 months.

DOSAGE

The recommended single dose is 0.5 ml.

METHOD OF APPLICATION

Intramuscular administration.

INSTRUCTIONS FOR CORRECT USE OF MEDICINE

Dissolve the vaccine in the original solvent. Shake the mottle until complete dissolution of liophylisate. Inject the vaccine using sterile syringe and needle.

CONTRAINDICATIONS

Vaccination of sick, cachectic and parasite-invaded animals is contraindicated as well as vaccination of heads immediate before transportation.

ADVERSE EFFECTS

None known.

WITHHOLDING PERIOD

No restrictions.

SPECIAL WARNING FOR DRUG STORAGE

Store at 2 - 8°C in the original pack for protection from light, keep out of reach of children; do not freeze.

SPECIAL WARNINGS**For animal use:**

See indications.

Special warnings for individuals administering the drug to animals:

In case of accidental self-injection of the individual administering the vaccine, seek medical attention.

**SPECIAL MEASURES FOR DISPOSAL OF UNUSED DRUG
OR DRUG RESIDUES**

The drug is to be disposed in accordance with the effective regulations of the Republic of Serbia.

SHELF LIFE:

1 year.

SHELF LIFE AFTER OPENING:

2 hours.

PRESENTATION:

- a box with 5 bottles with 10 vaccine doses with solvent;
- a box with 5 bottles with 20 vaccine doses with solvent.

AVAILABILITY:

Prescription only.

ATC: QI08AD02

Authorization No. : 323-03-04634/2004-05

ANTIGEN-SP

Diagnostic reagent (in vitro)

5% suspension of inactivated bacteria culture

Salmonella gallinarum pullorum standard and variant types stained with crystalviolet and preserved with formaldehyde

INDICATIONS

Laboratory diagnosis of presence of antibodies against Salmonellae.

DOSAGE

One drop (0,05 ml).

METHOD OF APPLICATION

Rapid agglutination on microscopic plate.

INSTRUCTION FOR USE

Allow the antigen to stand at room temperature minimum 30 minutes before use. Shake the antigen vial until the suspension becomes homogenous.

Place a drop of antigen (0.05 ml) on the appropriate base (clean and dry glass surface). Add a drop of blood to be tested on the glass surface immediately next to the antigen drop. Homogenize antigen and blood using glass stick.

Rotate the plate till onset of agglutination. The best blood-antigen ratio is 1:2.

REACTION ASSESSMENT

Positive reaction develops within a minute and it is characterized by onset of visible floccules of agglutinated bacteria and blood with subsequent clearing. Negative reaction is characterized by absence of floccules, when of antigen and blood remains evenly turbid after one minute. Suspicious reaction gives positive agglutination after one minute.

WARNING

Diagnostic SP antigen reagent is used as laboratory diagnostic test (in vitro). Avoid work at direct sunlight.

SPECIAL WARNINGS FOR STORAGE

Store at 2 - 8°C, in the original pack; do not freeze.

SHELF LIFE:

1 year.

PRESENTATION:

A box with 10 vials with 10 ml diagnostic reagent

BAB-VZ ANTIGEN

Diagnostic agent (in vitro)

Inactivated and stained culture of Brucella abortus (strain 99 Weybridge) in buffered solution.**INDICATIONS**

BAB-VZ Antigen is a diagnostic agent used for detection of infections in animals and humans caused by Brucella melitensis, Brucella abortus and Brucella suis.

PERFORMING OF REACTION

Allow the tested serum and BAB-VZ antigen to stand at room temperature for 30-60 minutes before performing the reaction. Shake antigen vial thoroughly before use in order to make the suspension homogenous. Open the vial and mount the dropper on the opening. Apply one drop of the antigen (0,03 ml) on the clean and dry glass. Apply a drop of test serum next to the antigen drop. Blend the antigen drop and test substance with plastic stick by gentle mixing. Continue mixing with gentle rotation of the glass base.

REACTION ASSESSMENT

In case of positive reaction, agglutination will occur within maximum of 4 minutes with occurrence of agglutinated bacteria floccules visible with the naked eye. In case of negative reaction, the mixture of the test serum and antigen will remain the homogenous suspension.

SPECIAL WARNINGS

In case of positive findings, the result should be confirmed by another recognized method used for diagnosis of brucellosis.

SPECIAL WARNINGS FOR STORAGE

Store at 2 - 8°C, in the original pack; do not freeze.

SHELF LIFE:

1 year.

PRESENTATION:

A vial with 10 ml antigen (sufficient for 330 essays), with calibrated dropper

Authorization No. : 30989/2007/2070

PLAZMA RABBIT

Diagnostic agent (in vitro)

Lyophilized rabbit plasma

INDICATIONS

Laboratory diagnosis of presence of coagulase-positive stains of *Staphylococcus aureus*

DOSAGE

One drop (0.05 ml).

METHOD OF APPLICATION

Rapid agglutination on microscopic plate.

COAGULASE TEST PERFORMING

Plasma preparation: Open one 1 ml ampoule with lyophilized plasma in sterile conditions and reconstitute with 1 ml distilled water. Wait for 1 to 2 minutes for lyophilisate to be dissolved and prepare dilution with sterile physiological saline. Prepare 1:5 dilution for tube test or 1:3 dilution for plate test.

Tube test:

In 0.5 ml diluted plasma add one loop for testing of 24-hour culture from the agar or 0.5 ml diluted plasma and suspend in it one loop of *Staph. aureus* culture, which is proved to be coagulase-positive. The second and third test tubes are used as positive or negative result controls. Incubate all the tubes at 37°C. Check the tubes in 1-hour intervals for coagulation by gentle tube tilting (do not shake).

Reaction assessment:

Positive reaction is characterized by production of coagulum that is not moved upon the test tube tilting and it is produced within 4 - 6 hours. If the result is negative, incubate for 24 hours, and bring the final conclusion thereafter.

Performing of the test on a plate: place two drops of the physiological saline on the microscopic plate; in one of them, suspend small quantity of isolate (colony from agar), while in the other one suspend coagulase-positive strain. Add one drop of the diluted rabbit plasma in each of them and mix gently.

Reaction assessment:

In case of positive reaction, microorganism accumulation, similar as in case of agglutination will occur within short period of time.

SPECIAL WARNINGS FOR STORAGE

Store at 2 - 8°C, in the original pack, keep out of reach of children; do not freeze.

Diluted plasma may be used for 5 days if stored at temperature ranging between 2 and 8°C.

SHELF LIFE:

1 year.

PRESENTATION:

A box with ten 1 ml ampoules with diagnostic reagent.

TUBERCULINA

Injectable suspension for animal use

Avian tuberculin

TARGETED ANIMAL SPECIES

Poultry, cattle and pigs. All the targeted species should be aged minimum weeks

INDICATIONS

Diagnostic reagent for testing of presence Mycobacterium avium infection

DOSAGE

The recommended single dose is 0,1 ml.

METHOD OF APPLICATION

Intradermal application

INSTRUCTIONS FOR CORRECT USE OF MEDICINE

Tuberculinization of poultry:

The poultry is tuberculinized intracutaneously using a 0.1 ml dose of avian tuberculine in the mid-part of the lower rim of the wattle. Edema of the wattle develops in almost all tuberculinized birds and subsides in healthy birds within 24 hours while in the diseases-affected birds it reaches the maximum within 24 hours and subsides, as a rule within 7 days.

The reaction is assessed within 24 and 48 hours after tuberculinization. The reaction is negative in absence of edema or in case of development of edema in the form of minor thickening at the tuberculin A application site without signs of inflammation.

In case of positive reactions, diffuse edema of bluish-red color develops at the administration site. In case of positive reaction, the thickening is assessed, which is by half thicker than the lower neck before tuberculin injection. Occasionally, the edema may extend in the positive birds to the other part of the wattle

Tuberculinization of cattle:

The preparation is applied in dose of 0.1 ml intracutaneously, into the skin fold of the neck at the level of the upper third of the shoulder blade on the right side. Skin fold thickness is previously measured with cutimeter. The hair in this area should be cut (not shaved). Cutimeter pressure should be as standard as possible. Therefore, tuberculinization should always be performed by the same person or the same spring-loaded cutimeter with constant pressure should be used.

In case of error during application, it should be repeated 15 cm lower on the same side of the neck using the full dose of 0.1 ml.

The reaction is read and evaluated within 24 to 28 hours.

The reaction is interpreted as negative if the edema is not larger than 2.5 mm in comparison to skin fold thickness before application, if the edema is smaller in comparison to the edema at the tuberculinization site using Tuberculin B on the left side and if the edema is cold, without hyperemia and in absence of enlargement of the corresponding lymph nodes.

The reaction is interpreted as suspicious in presence of the following: both lumps after tuberculinization with bovine and avian types are equally sized, the lump at the Tuberculin A application site is greater for 3 to 3.5 mm, the lump is atypical in absence of any signs of hyperemia and regional lymph node reaction. The reaction is positive if the tuberculinization lump using Tuberculin is greater from the lump at the application site of the bovine type tuberculine as well as if the thickness of the skin fold is increased for 4 mm and more..

If the heads are proved to be tuberculose or in case of presence of such heads in the breeding, each suspicious reaction is considered to be positive.

Tuberculinization of pigs:

The pigs are tuberculinized intracutaneously with dose of 0.1 ml at the outer side of the base of the right ear. In case of positive reaction, the lump will develop within 24 to 28 hours, which is pasty and hyperemic and sized 2-6 cm. The middle part of the lump is usually more hyperemic and covered with crust in positive heads. In case of the positive reaction, the lump is typically surrounded by red, hyperemic zone.

In case of negative reaction, the lump at the application site is pea-sized and it is not hyperemic. In case of suspicious reaction, the lump is less hyperemic (up to 2 cm in diameter) and it is not surrounded by red zone. In case that considerable number of heads are proved to be positive, all suspicious reactions should be treated as positive.

CONTRAINDICATIONS

Retuberculinization is contraindicated in intervals shorter than 6 weeks from the initial tuberculinization.

ADVERSE EFFECTS

None known.

WITHHOLDING PERIOD

No restrictions.

SPECIAL WARNING FOR DRUG STORAGE

Store at 2 - 8°C, in the original pack for protection from light, keep out of reach of children; do not freeze.

SPECIAL WARNINGS

For animal use:

Repeated administration of Tuberculin A in the same heads is allowed only after 6 weeks from the initial tuberculinization. False negative reactions are frequently observed in infected, cachectic animals, animals invaded with parasites as well as in heads in the advanced stage of the generalized tuberculosis.

For individuals applying the preparation to animals:

In case of accidental self-injection, the individual applying the preparation should seek medical attention.

SPECIAL MEASURES FOR DISPOSAL OF UNUSED DRUG OR DRUG RESIDUES

The preparation is disposed in accordance with effective regulations of the Republic of Serbia.

SHELF LIFE:

1 year.

SHELF LIFE AFTER OPENING:

8 hours.

PRESENTATION:

A box with 10 bottles with 100 doses (10 ml)

A box with 10 bottles with 50 doses (5 ml)

AVAILABILITY:

Prescription only.

PRESENTATION:

a box with 10 bottles with 100 doses (10 ml)

a box with 10 bottles with 50 doses (5 ml)

AVAILABILITY:

Prescription only.

TUBERCULIN - B PPD

Diagnostic reagent -injectable suspension for animal use

TARGETED ANIMAL SPECIES

Cattle and pigs (above 6 weeks of age)

INDICATIONS

Detection of tuberculosis caused by *Mycobacterium bovis*.

DOSAGE

The recommended single dose is 0,1 ml.

METHOD OF APPLICATION

Intradermal administration.

Pigs: The preparation is applied into the skin on the external part of the left ear base. **Cattle:** The preparation is applied into the skin fold on the neck at the level of the upper third of the shoulder blade.

INSTRUCTIONS FOR CORRECT USE OF MEDICINE

Tuberculinization of cattle:

Tuberculin - B PPD is a ready-to-use preparation. It is applied using sterile syringe and needle. Hair on the application site is cut (not shaved) in the area of 5-6 cm and it is not disinfected unless it is dirty (use alcohol or ether and not iodine tincture). Cattle is always tuberculinized on the left side when bovine type tuberculin is used and on the right side when avian type is simultaneously applied. Before application, thickness of the skin fold at the application site is measured using cutimeter with tolerance of 0.5 mm. Cutimeter pressure on the skin should be always the same if spring-loaded cutimeter that regulated the pressure is not used. Preferably, the measurements should be performed by the same person – veterinarian. The needle used for application must be fine, sharp and short. The needle should be injected exactly in the centre of the cutis and deeply enough, for tuberculin not to leak out. Tuberculin is injected slowly, to achieve diffuse infiltration. If tuberculin is injected under the skin, application must be repeated immediately on the same side of the neck, but 15 cm lower than upon the first application. All cattle older than 6 weeks should be tuberculinized, including pregnant cows, no matter how late the pregnancy is, or before how long they have calved.

REACTION ASSESSMENT

The reaction is assessed by skin fold measurement using cutimeter 72 hours after application - tuberculinization. The results are recorded in a

tuberculin form, and in case of development of edema, it is necessary to describe the character of the change. Estimation of reactions should always include two factors : the thickness of the skin fold (cutimeter measuring) and the character of possible swelling developing after application of bovine type tuberculin. Diffuse, pastous, painful and warm lump, together with possible necrosis of the skin in the area of application and swelling of the regional lymph glands is a typical reaction to the Mycobacterium bovis infection;

Localized, hard, painless lump of normal temperature, with no swelling of the regional lymph nodes is not a typical reaction to the Mycobacterium bovis infection.

Negative reaction:

If the lump at the application site is sized up to 2.2 mm

Suspicious reaction:

- if the lump on cattle tuberculin is larger than the lump on avian tuberculin on the other side being 3-3.5 mm.
- if both lumps on tuberculin are larger than 3 mm
- if the lump on cattle tuberculin is larger than 3 mm, but is not typical
- when the lump on avian tuberculin is larger than the lump on cattle tuberculin and is more than 2.5 mm thick.

Positive reaction:

-If the lump at the application site of the bovine tuberculin is larger than 4 mm. Such classification of the estimated reaction is not applicable in heads that are subjected to initial tuberculinization that were tuberculosis-free fill that moment. If tuberculinization is performed in breeding facilities in which tuberculosis was already present, each suspicious reaction should be considered positive.

TUBERCULINIZATION OF PIGS

The pigs are tuberculinized intradermally, on the external side of the left ear base. The reaction is evaluated twice – after 48 hours and after 72 hours. In case of positive reactions, pastous hyperemic lump sized 2-6 cm will develop at the application site. The middle part of the lump is highly hyperemic and frequent covered with crust. The lump surrounded by hyperemic reddened zone is typical for positive reaction. In case of negative reaction, the lump is pea-sized and non-hyperemic. In case of suspicious reaction, the lump is less hyperemic (approximately 2 cm in diameter) and it is not surrounded by reddened zone. In animals with suspicious reactions, tuberculin test is to be repeated not less than after 3 months.. In the case of a

larger number of positive reactions, the animals with suspicious reactions are also considered positive.

CONTRAINDICATIONS

Tuberculinization in time period shorter than 6 weeks after the initial tuberculinization is contraindicated.

ADVERSE EFFECTS

None.

WITHHOLDING PERIOD

No restrictions.

SPECIAL WARNINGS FOR STORAGE

Tuberculin - B PPD is stored at the temperature ranging between 2 and 8°C, in the original packaging for protection from light. Keep out of reach of children.

SPECIAL WARNINGS

For animal use:

Tuberculin-BPPD application may be repeated in the same heads only 6 weeks after the initial tuberculinization. False negative reactions are frequently observed in infected, cachectic animals, animals in the phase of incubation and animals invaded with parasites.

NOTE:

In heads positive to tuberculosis caused by *Mycobacterium bovis* the swelling at the application site will develop within 24 to 48 hours, with or without central skin necrosis. The above-mentioned phenomenon is not the adverse effect but essential characteristic of the diagnostic agent Tuberculin -B PPD.

Special warnings for individuals administering the drug to animals:

The preparation contains phenol. In case of accidental self-injection, seek medical attention immediately.

SPECIAL MEASURES FOR DISPOSAL OF UNUSED DRUG OR DRUG RESIDUES

Unused diagnostic agents, residues of the unused diagnostic agents as well as the their packs should be disposed in accordance with the effective laws.

SHELF LIFE:

1 year.

SHELF LIFE AFTER OPENING:

Use within 4 hours.

PRESENTATION:

A box with 10 vials with 10 ml (100 doses)

A box with 10 vials with 5 ml (50 doses)

AVAILABILITY:

Prescription only. Distribution is performed in accordance with the proposed Program of animal health care measures

RABIVET

injectable suspension for animal use

The vaccine containing inactivated virus of rabies - strain PV-PARIS/BHK

TARGETED ANIMAL SPECIES

Dogs, cats

INDICATIONS

Vaccine induces active immunity against rabies.

DOSAGE

The recommended dose is 1 ml.

METHOD OF APPLICATION

Intramuscular or subcutaneous administration.

INSTRUCTIONS FOR CORRECT USE OF MEDICINE

Shake the vaccine before use. Vaccine is ready-to-use. Inject using sterile syringe and needle.

CONTRAINDICATIONS

Vaccination of sick animals, animals in the phase of incubation, cachectic animals and animals invaded with parasites as well as animals immediately before transportation is contraindicated.

Vaccination of dogs and cats already affected with rabies or those suspected to be affected with rabies is forbidden

Vaccination of animals is contraindicated at least 4 weeks after discontinuation of administration of corticosteroids.

ADVERSE EFFECTS

Mildly hyperemic edema may develop at the vaccine application site that will subside spontaneously without any treatment.

WITHHOLDING PERIOD

No restrictions.

SPECIAL WARNING FOR DRUG STORAGE

Store at 2 - 8°C, in the original pack for protection from light, keep out of reach of children; do not freeze.

SPECIAL WARNINGS**For animal use:**

None.

Special warnings for individuals administering the drug to animals:

In case of accidental self-injection of the individual administering the vaccine, seek medical attention.

**SPECIAL MEASURES FOR DISPOSAL OF UNUSED DRUG
OR DRUG RESIDUES**

The drug is to be disposed in accordance with the effective regulations of the Republic of Serbia

SHELF LIFE:

1 year.

SHELF LIFE AFTER OPENING:

8 hours.

PRESENTATION:

A box with 10 vials with 10 ml vaccine

A box with 10 ampoules with 1 ml vaccine each

AVAILABILITY:

Prescription only.

ATC: QI07AA02

Authorization No. : 78/2007/1400